

MATERIAL SAFETY DATA SHEET

JAN 22 1967

NAPIM 11-7

DATE:

(For Printing Ink and Related Materials)

DM 1445-1

Section I

MANUFACTURER'S NAME INDEPENDENT INK, INC.		EMERGENCY PHONE NO. 213 321-0181
STREET ADDRESS (No., City, State, Zip) 14705 S. Avalon Blvd. Gardena, California 90248		
PRODUCT CLASS Flexographic Ink	TRADE NAME Marking Ink	MANUFACTURERS CODE 1547

Section II — HAZARDOUS INGREDIENTS

Inks of this class contain volatile organic solvents identified as:

Ethyl Alcohol	18.5%
Isop: Acetate	2. %
Butyl Celloslve	12. %
Butanol	9. %

This mixture contains no other ingredients known to retain hazardous properties or which are defined as hazardous by OSHA

Section III — PHYSICAL DATA

BOILING RANGE	F° 170-340° F.	TYPE OF ODOR Solvent		
VAPOR DENSITY	HEAVIER (X) vs. AIR LIGHTER ()	EVAPORATION RATE vs. FASTER Butyl Acetate	FASTER SLOWER	X
LIQUID DENSITY	HEAVIER (X) vs. WATER LIGHTER ()	PERCENT VOLATILE WT.		40-50%
APPEARANCE	Colored liquid			

Section IV - FIRE & EXPLOSION DATA

FLASH POINT CATEGORY (NFPA) OSHA	Class 1B	LOWEST FLASH POINT	41° F	LEL	1.1
EXTINGUISHING MEDIA: Dry Chemical, Foam, or CO ₂					
SPECIAL FIRE FIGHTING PROCEDURE: Avoid prolonged breathing of fumes. Use water to keep closed containers cool.					
UNUSUAL FIRE & EXPLOSION HAZARDS Vapors may ignite explosively. Vapors may spread long distances. Exposure of closed containers to excess heat during fire may cause disruptive pressure					

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Ethyl Alcohol	1000 PPM
Isop. Acetate	200 PPM
Butyl Cellosolve	50 PPM
Butanol	100 PPM

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvent. Eye contact may cause irritation.

EMERGENCY FIRST AID: For narcosis - remove to fresh air. Eye contact- flush with plenty of water. If irritation persists, call physician.

Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

X

UNSTABLE

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

Section VII — SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition.

Ventilate area. Remove by using suitable inert absorbing material.

WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulation.

Section VIII — SPECIAL PROTECTION INFORMATION

VENTILATION General ventilation, with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid area. To include all floor areas or pits where flammable vapors may collect.

PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

Section IX - SPECIAL PRECAUTIONS

Storage & Handling

Keep containers closed when not in use. Keep away from open flame or excessive heat.